

## Results Of Poll Show 9 To 5 Lead For Gov. Landon

Greater Percentage Of Votes  
For President Roosevelt  
Than In 1932

Communist Vote Increases  
At Expense Of Socialists

Faculty Members To Be Polled  
And Results Announced  
In Next Issue

With an unexpected show of strength among the commuters, President Roosevelt reduced Governor Landon's lead in The Tech's straw vote from twelve to five to nine to five.

Landon was only a six to five choice of the commuters, but because of the small number voting compared with the dormitory and fraternity vote, his majority over Roosevelt was not greatly reduced. The commuters' vote was Landon 331, Roosevelt 254, with about fifty votes for minor candidates. This makes the combined result Landon 905, Roosevelt 519, others about a hundred.

Before the last presidential election in 1932, The Tech ran a similar poll in which Hoover received 1334 votes, Thomas 319, and Roosevelt 300. This year Roosevelt received a somewhat larger percentage of the Technology vote than Roosevelt and Thomas together in 1932. Thomas received one-fifth the support this year that he received in '32, while the Communist party was more than twice as strong as four years ago.

**Poll Faculty Today**  
The complete student vote this year is listed elsewhere. Faculty members will be polled today. Ballots will be distributed to their offices, and can  
(Continued on Page 2)  
Straw Vote

## Awarded Medal Of Royal Photo Society

Edgerton, Germeshausen, Grier  
Rewarded For Work In  
New Medium

The medal of the Royal Photographic Society of London has been awarded to Professor Harold E. Edgerton, Kenneth J. Germeshausen and Herbert E. Grier of the Institute's department of Electrical Engineering for their achievements in high-speed photography.

With the use of a new type of light their high-speed process makes it possible to take stop-motion photographs at the speed of one one-hundred thousandth of a second. Pictures taken by this method have attracted wide attention in both the United States and Europe.

Their latest photographs, showing humming birds in flight, are now on display at the society's exhibition in London in the section devoted to technical applications of photography.

## Meeting Of A. I. M. E. Lures Many Freshmen

The Technology branch of the American Institute of Mining Engineers held its first meeting of the school year at 5 o'clock last Thursday, October 15, in Room 8-205. There was a large attendance at the meeting, especially of first year men.

Plans for interesting future meetings were disclosed, and there was a discussion upon subjects of immediate importance. Sometime in the near future the group intends to hold a joint meeting with the Boston section of the A. I. M. E.

## Playing of Tennis Matches Must Be Soon As Possible

The approach of bad weather makes it absolutely necessary that all players entered in both the freshman and upperclassman tennis tournaments play their matches as soon as possible.

If the matches are not played by the time scheduled for each round, the man in the lower bracket will positively forfeit the match to the player in the upper bracket.

It will be well worth while to come out on time and try to win because awards will be made to the winners of both tournaments, and the results will have an important bearing on choice of the varsity and freshman tennis teams in the spring.

## Hangar Should Go Says Oscar Hedlund

Track Coach Says Tech Needs  
Better Recreational  
Facilities

"The Institute has always been known to foster athletics, but they forget about the buildings," said Track-coach Oscar Hedlund in an interview with a reporter of The Tech last night concerning the building expansion planned for Technology.

"A new recreation center would help centralize Institute athletics, and would provide a clean healthful place for Tech athletes to train. It would rid us of the old, dirty, dusty Hangar Gym now known as 'the barn'. The present hangar gym which is the home of basketball, wrestling and boxing is a very poor ad, or a very poor part of the Institute as far as buildings go. A new gym would make it possible for people coming to see Institute teams, to come to a nice, clean building worthy of an engineering institution; then they will know that they are coming to some place where they can enjoy the exhibitions.

"All colleges have facilities for a worthy recreation center where they can proudly bring visiting athletes, it is time that Technology took its rightful position among them and provided a suitable central building for all Tech athletes. In time a swimming pool could be added to the recreation center and then the Institute would fully provide for the present much-felt wants of its athletes.

"Track itself would not gain much from a new athletic center for we already have the adequate facilities of the new field house, but the other Technology sports are not as fortunate and the benefit to them can fully be realized by anyone who is familiar with the present 'Barn'.

Technology needs a recreational center, and in any new building project they should if possible provide one. We need a building to put athletics where they belong."

## Precise English Taught To Freshmen By Problems In U. S. Patent System

Thoughts of Stillson wrenches fill the waking hours of Technology's freshmen and great stacks of verbiage involved patent records fill their dreams as they are introduced to the American patent system in a double attempt by the Administration and the Department of English to drill them in the precise use of the English language and to give them an understanding of patents and their economic and social consequences.

The course was begun at the suggestion of Dr. Vannevar Bush, vice-president of the Institute and dean of engineering, who thought that it would be a good way to impress upon the embryo engineers in freshman English how important the clear and precise use of the English language

## New Towing Tank Will Be Built At Cost Of \$35,000

Measurements Of Pool Will Be  
150 Feet by 10 by 6  
In Building 5

Pools Used For Testing Models

A fully equipped towing tank to cost about \$35,000 is one of the features of President Compton's expansion program. The tank will be used for experimenting with models of types of hulls under various conditions.

It would be about 150 feet long, ten feet wide, and six feet deep, probably made of concrete, and would be in the basement of building five.

The study of models in connection with the building of ships is not extremely new as there was a basin in the Washington Navy Yards as early as 1900. Among other tanks in various parts of the world, there is one 1000 feet long in Hamburg, Germany, one in Scotland 500 feet long that Professor James R. Jack worked with, and relatively shorter ones in Newport News and in the Stevens Institute of Technology.

**Models Check Hull Design**  
All large modern ships have had their hull design checked by actual models to determine the power necessary to drive them. In the past the students have had to rely on the results of tests in other tanks, which is in many respects not satisfactory for their needs in designing new types and studying the effects of innovations. Although it is possible to work out many resistance problems on paper, there are often so many details of bow and stern and keel and side design that they defy solution without actual experiment.

At one time, several students used a tank in the Hydraulics laboratory to  
(Continued on Page 4)  
Towing Tank

## Final Freshman Rally Featured For Friday

Reports Indicate Close Battle,  
Tug-of-war Team Weak

Members of the class of 1940 hold their last rally before Field Day at 5 o'clock on October 26, in Room 5-330, it was announced today by Frederick J. Kolb, Jr., Junior Class president, who is in charge of arrangements. The purpose of the rally is to build up enough enthusiasm to put the freshman out in front in the annual meet between the two lower classes.

All reports indicate a close battle, since the freshman teams are said to be shaping up very well. An appeal was issued by the tug-of-war team, however, for more heavy men who were willing to work out regularly.

# Feeling Runs High As Students Pack Tech Union Rally

The Governor In Action



Staff Photo  
The Hon. James M. Curley

## Soph Dance Has Hudson - Delange

Noted Band Plays For Dance  
At Hotel Continental  
On November 13

Hudson and Delange's orchestra will play for the Sophomore Dance on November 13, President Harold Seykota of the class of '39 announced yesterday. His announcement also revealed that the dance will take place in the Hotel Continental, Cambridge.

Almost unheard of a year ago, the Hudson-Delange orchestra now holds a position of prominence among the dance bands of the nation. Composers of the "Organ Grinder Suite" and numerous other popular "swing" tunes, Hudson and Delange have become especially well known during the last few months, having been chosen only last week one of the most popular dance bands at Boston College. The orchestra is scheduled to play at important functions, at Harvard, Williams, Brown and other well known colleges this season.

The scene of the festivities, the Hotel Continental in Cambridge, has one of the best known dance floors in the vicinity. Besides the ballroom, other facilities such as a lounge and a bar will be available.

Options at one dollar go on sale today. The total price per couple will be \$2.75 for the option tickets and \$3.00 at the door.

## A.S.M.E. Membership Drive On This Week

The Technology branch of the American Society of Mechanical Engineers this week conducts its annual membership drive.

A booth in the main lobby will be open from eleven until two o'clock tomorrow and Wednesday, to sign up candidates. Membership is open to all students regardless of course or class.

The program of the society, as outlined by William Austin, '37, President of the Technology student branch is twofold. It consists, first, of a series of lectures, supplemented by slides. The second part of the program entails Saturday trips to various plants in the near vicinity. The quantity and the quality of the lectures and trips depends entirely on the size of the membership.

## Curley Calls G. O. P. Campaign Slogan "A Laugh"

G. O. P. Speaker Questioned  
On Landon Labor Record

Lewis And Hood Are Speakers  
For Socialists And  
Communists

Applause, boos, and hisses from a capacity crowd of 500 students greeted the political speeches at the Tech Union Rally yesterday at 5 o'clock in Room 10-250.

**Wide Range of Speakers**  
True to its aim to present a non-partisan debate, Tech Union presented a widely diversified list of speakers. The failure of three of the speakers to appear, Mr. John W. Haigis, Mr. Henry Cabot Lodge, and Mr. Charles F. Hurley, was in part atoned for by the substitution of Major Hannigan, campaign manager for Haigis, Mr. John D. Spaulding, Republican, and Mr. J. D. McWhinney, Democrat. The other speakers present were the Hon. James M. Curley, Democratic candidate for U. S. Senator, Mr. Alfred Baker Lewis, Socialist candidate for Governor, Mr. Otis Hood, Communist candidate for Governor, Mr. Edward M. Rowe, Republican, Miss Florence H. Liscumb, Farmer Labor candidate for congressman in the ninth congressional district, and State Auditor Thomas H. Buckley, Democratic candidate for reelection.

**Haigis "right kind"**  
Taking the floor first, Major Hannigan, admittedly shunning all discussion of politics, pointed out the highlights in the civic career of Mr. Haigis. He argued that a man should  
(Continued on Page 4)  
Tech Union

## Television's Early Public Appearance Predicted By Baird

Great Possibilities For Radio  
Engineers In Ground  
Of Television

That television would be commercially developed within three years was the prediction made Friday at the Radio Society's meeting by Hollis Baird, Radio and Television Engineer of the World Wide Broadcasting System short wave station in Brookline. Mr. Baird described the differences in the systems used here and in Europe. At present, there is no one system that is generally accepted as the best, each one having its own advantages. He also said that, because of the rapid rise in the practicability of television as it is now demonstrated in many European countries, the embryo radio engineer will find it greatly to his advantage if he specializes in television.

## Tech Student Union Holds Meeting Today

The Technology Branch of the American Student Union holds its first meeting of the year Tuesday, Oct. 20, at 5 o'clock, in the East Lounge of Walker. The speaker will be Boone Schirmer, one of the leaders of the Harvard Student Union. All interested are cordially invited to attend.

# The Tech

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MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
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## SCRIMSHANKERS

### LIGHT COMMUTERS' VOTE

NOW that the commuters have been polled for their presidential preferences in the coming national election by The Tech straw vote, the all-Technology political picture takes on a little different aspect. The margin for Landon in this group is even smaller than that in the dormitories.

Perhaps the narrow Republican margin of about five to four among the commuters may be attributed partially to the fact that a majority of the commuters are residents of greater Boston, and, even though we may be reluctant to admit it, Curley has a sizeable following in this locality.

However, the commuters' vote was so light, with less than 500 voting out of a total of about eighteen hundred, that their stronger Democratic leaning has little effect on the total Technology vote and does not alter it a great deal from the previous two to one Republican margin set up by the combined fraternities and dormitories.

Although we realize that the method of polling the commuters was a more difficult one than that of the other two groups, at least a 50 percent vote could be fairly expected. The fact that a little more than a quarter of them did vote, places them undeniably in a class of slackers.

Last year Professor William Greene dubbed them "scrimshankers". We add to that by classing them as "a bunch of scrimshankers."

## GOOD WORK

### SOPHOMORE DANCE

CONGRATULATIONS should be in order to the Sophomore Dance Committee for its extraordinarily good work thus far in the handling of the plans for its coming dance.

Although they seem to have been opposed in their aspirations by the Institute Committee which levied the somewhat excessive 300 dollar bond, the committee members have surmounted all difficulties, raised the bond among themselves, signed an exceptionally good band, and started on a campaign which is destined to land them well on the other side of success.

Perhaps it might be said that they were fortunate in being able to contract as good a band at such a low price. However, much of the success should be accredited to business-like ability, and wide awake attitude of the committee, especially of its chairman.

The Sophomores are definitely on their toes. They deserve the support of all Technology in their dance of next month.

## THE WAY OF ALL SPORTS

### PROFESSIONAL FOOTBALL

UNTIL this year, the hiring of football players by major universities and colleges was a thing to be kept under cover. Although everyone knew that many of the leading col-

lege teams contained hired players for the purpose of winning games and thereby drawing students to those schools, an effort was made to hide these deals and pleas came from every direction for the elimination of hired players in the name of fair play and true sportsmanship.

This fall, along with the new policy of commercializing the broadcasts of many of the major college games, comes also the open hiring of players at certain universities. These new policies have aroused no little criticism from the general public as well as from the educational field.

But there have been several arguments in favor of even greater professionalism in football, for that is what the present trend is leading to. Most logical is the suggestion of Professor Owen of our own Naval Department. He thinks that if football players are to be hired at all, that the colleges should go to the logical extreme and hire all players and have wholly professional teams. He sees no reason why every player who endangers his body in the strenuous maneuvers of this game should not be given an equal chance to reap the monetary benefits. It certainly must be admitted that the players at the present time receive meagre compensation for their endeavors in comparison to the gate receipts for the great American game.

The trend seems to be in the direction of complete professionalism in football along with many other sports including baseball, basketball, golf, tennis, and others. On the one hand we have the little prominent, purely professional teams in a number of eastern cities. On the other hand we have leanings toward hired players in college teams. The two seem to be acting as complementary forces toward a common goal of a united and glorified sport of professional football.

Pure professional football might rob the colleges of maintaining the teams as drawing cards for enlarged enrollments, but it would have the added feature of treating all the schools alike and removing the present clamor of competition.

## ELECTIONS

THE Tech takes pleasure in announcing the following elections to its staff: Editorial Board, Robert E. Katz, '38; Ralph D. Morrison, '37; Associate Board, John R. Summerfield, '38; Assistant Editor; Staff Assistants, David A. Bartlett, '39; George Dadakis, '39; Ralph L. Hegner, '39; Leonard Mautner, '39.

## Reviews and Previews

Gladys Cooper, Philip Merivale and cast stirred a dull audience to laughter at the Shubert Theatre in their first night performance in Dodie Smith's wonderful comedy, "Call It A Day." It would perhaps be more proper to put the emphasis on cast, for Jean Dante, Glenn Anders, and "Catherine Hilton" (we don't know her real name for it did not appear on the program) stood out equally as strongly as the leading lady and the juvenile.

Fantastic as the plot may be, it combines infatuations of a girl in her teens by a man old enough to be her father, a father by a girl in her teens and a mother, very sensibly, by a man old enough to be her husband. However, typical family bedroom, dining room, and kitchen scenes bring the play to an earthly level, as familiar situations are witnessed.

As one would gather from the title, it all happens in between the hours of 8:00 a.m. and 11:45 p.m. In the quiet town of London, as the chestnut trees begin to blossom, love fills the air, perhaps a bit too full. At least it falls all over the characters.

We recommend this production as enlightening entertainment of the most pleasing sort.

I. S.

## Patents

(Continued from Page 1)

importance of the precise use of the English language."

The subject is being taught by assigning to the freshmen a series of problems that have been worked out from the records of Supreme Court patent litigation. For example, the students may be given a reproduction of the original drawing of some invention as it appears in the patent records and told to describe the invention and write a set of "claims" for it. As a later exercise they may be asked to discuss the social and economic consequences of the invention.

## Class Of '40 Co-Eds Act As Cheerleaders

### To Demonstrate Class Spirit By Yells On Field Day

In an effort to show their class spirit the freshman co-eds are banding together in a cheering squad to lead the class of '40 on to the first victory in Field Day that the freshmen class has won since 1928.

This precedent-shattering move was decided on when the co-eds, barred from active participation, sought to show their class spirit in another way. To date, 90% of the co-eds have signified their intention of doing their part in leading the male element by some real organized cheering.

The co-eds start practice this week for their Field Day appearance.

## Freshman Councilmen Meet For Discussion

Present Freshman Council members and members of last year's Freshman Council hold a combined meeting in the Institute Committee room of the Walker Memorial at 5 o'clock on Wednesday, October 21. They will be led in a discussion by David S. McLellan, president of the Institute Committee.

## Straw Vote

(Continued from Page 1)

be returned by dropping them in any Institute mailbox. The results will be announced in the next issue of The Tech, which will also include a tabulation of the student vote by courses and classes.

Among the minor candidates who received votes in the commuters' poll were Aiken, Socialist-Labor candidate, 2; Colvin, Prohibition candidate, 2; Professor Phillips, Al Smith, Mrs. Wally Simpson, Di Maggio, and Wintgreen.

## Complete Vote By Groups

	Landon	Roosevelt	Browder	Thomas	Lemke
Fraternities	370	113	13	9	2
Dormitories	204	152	10	18	1
Commuters	331	254	30	12	1
Totals	905	519	53	39	4

**OL' JUDGE ROBBINS**

HIS RUSSIAN PIPE

FROM ASIATIC RUSSIA, YOU SAY, JUDGE? BUT WHY THREE BOWLS?

IT'S A CLEVER WAY OF BLENDING TOBACCO TO GET A MILD, BETTER-TASTING SMOKE—

THEY SIMPLY PUT A DIFFERENT TOBACCO IN EACH BOWL AND SMOKE THEM ALL AT ONCE

WELL, IF I WANTED THE BEST SMOKE POSSIBLE, I'D JUST LOAD ALL THREE BOWLS WITH PRINCE ALBERT!

RIGHT! BECAUSE IN EVERY ONE YOU'D GET MILDNESS, FULL RICH FLAVOR, AND NO HARSHNESS OR 'BITE'

I BROKE THIS PIPE IN ON PRINCE ALBERT. THAT CRIMP CUT P.A. GAVE IT A SWELL CAKE AND MAKES IT SMOKE COOL AND SWEET

MANY A MAN'S HAPPIER TODAY BECAUSE HE STARTED SMOKING PRINCE ALBERT—THERE'S NO OTHER TOBACCO LIKE IT

HERE'S WHY THERE'S NO OTHER TOBACCO LIKE PRINCE ALBERT: P.A. IS CHOICE MELLOW TOBACCO - "CRIMP CUT" FOR COOLNESS—WITH THE "BITE" REMOVED BY SPECIAL PROCESS. IT'S THE LARGEST-SELLING TOBACCO IN THE WORLD. AND SWELL FOR "MAKIN'S" CIGARETTES.



## SMOKE 20 PIPEFULS OF P. A. AT OUR RISK

Smoke 20 fragrant pipefuls of Prince Albert. If you don't find it the mellowest, tastiest pipe tobacco you ever smoked, return the packet tin with the rest of the tobacco in it to us at any time within a month from this date, and we will refund full purchase price, plus postage.

(Signed) R. J. REYNOLDS TOBACCO COMPANY  
Winston-Salem, North Carolina

**PRINCE ALBERT** THE NATIONAL JOY SMOKE

50 pipefuls of fragrant tobacco in every 2-ounce tin of Prince Albert



## Beaver Booters Lose To Harvard In Close Match

Varsity And Frosh Teams Both Lose By Score Of 1-0 On Wet Field

### Li Stars On Defense For Tech

Technology met a double defeat in soccer at Harvard Saturday when both the Varsity and Freshmen teams lost to the Crimson booters by a score of 1-0. Because of rain, the teams were handicapped by a wet field and a slippery ball.

Playing a brilliant game, the Beaver varsity held Harvard scoreless during the entire first two periods, but in the third quarter Harvard penetrated the strong Tech defense to score the only goal of the game. The excellent playing of T. C. Li, '37, the Beaver fullback, was the mainstay of the Tech defense.

So far in the last three years, the Harvard-Tech score has been 7-0, 4-0, and this time, 10-0, which indicates the rise of soccer to one of the most successful of Technology sports.

The lineup in the varsity was: George Mitchell, '39, g; Rosenberg, Ed Brittenham, '37, lb; T. C. Li, '37, rb; John Lindsay, '39, lh; James Gillis, '38, ch; George Wemple, '37, rh; Sahuri, Antonio Arias, '39, lof; Marg

## Harriers Lose To Mass. State Team

Guerke, Cooper, and Scaringi Tie For Third In Race On Wet Course

Handicapped by a muddy course the M. I. T. cross country team lost a close race to Massachusetts State last Saturday by the score of 26-29. The 3.9 miles course was thoroughly soaked by a continual rain which kept up until an hour before the race.

Captain Henry Guerke, '37, Gene Cooper, '37, and Cila Scaringa, '38, tied for third to bring the Institute score up. Coach Oscar Hedlund said that he felt that the hill and dalers ran a very good race under the adverse conditions that existed.

The team is working up to a fine point this week in anticipation of the meet at Yale Saturday. Although little is known about the sons of Eli the squad expects a good showing.

Sabi and Eddy tied for eighth: Desjardins came in twelfth, and Wagner fifteenth.

Magnuson, '39, Carlos Ceballos, '38, lif; Alex Laker, '39, cf; Edward Mosehour, '37, Ray Dressely, '37, rif; August Arino, '39, rof.

The freshman team: McPhail, g; Martinez, Hossman, lb; Johnstone, rb; Haden, lh; Foster, ch; Danforth, rh; West, Mendinez, lof; Bartlett, lif; Martinez, cf; Farrell, rif; Gray, rof.

## P. T. Substitutions Must Be Made Before The 21st

Warning has been issued by H. P. McCarthy, Physical Training Instructor, that all freshmen who have not substituted some sport by twelve noon, October 21, will be automatically enrolled in the Physical Training classes.

## Gym Team Prospects Foretell Good Year

Prospects for this year's gym team look very promising from the response to the first call for candidates. Twenty-five sophomores of last year's freshman squad and many regulars of last season's varsity are now reporting regularly. A freshman squad is being organized and it is hoped that a squad of forty men will be formed. Already many of the freshman aspirants are hard at work practicing up for the coming meets, and despite the fact that most of the men have had no experience, they show great signs of promise.

New Clothes for Rental  
**READ & WHITE**  
111 SUMMER ST. BOSTON

## Jay Ricks Announces Wrestling T o u r n e y

Coach Advises Contestants To Start Training Soon

Coach Jay Ricks announced today that the All-Tech Wrestling Tournament would take place on November 5th and 6th. The wrestling mentor advised immediate starting of training for anyone intending to compete.

Eligible for the tournament are members of the faculty, freshmen, transfer students, sophomores, and any upperclassmen who have not yet wrestled for a varsity team. No man will be eligible if he has participated in varsity intercollegiate wrestling. Gold medals will be awarded to the winner of each class, which range: 118 lb., 126 lb., 135 lb.; 145 lb., 155 lb., 165 lb., 175 lb., and unlimited heavy-weight.

3 HOURS OF PRACTICE DANCING (Instruction included) \$1.00  
Large staff of patient and conscientious teachers makes this the easiest and least expensive way of learning to dance.  
**Fenway Dance Studio**  
Direction—RUTH KILTON  
136 Mass. Ave., Boston Com. 9209  
Over Fenway Theatre

## SPORTS NOTICES

All those interested in reviving interest in Chess and reorganizing the defunct Chess Team of M. I. T. please show up on this coming Saturday at 1:05 P. M. in the East Lounge of Walker Memorial, or consult Herbert Jaffe, '39, on or before then.

The defaults made in the Tennis Tournament are permanent, it was announced this evening by Bob Robbins, manager of tennis. If the matches are not played by the time scheduled for each round, the man in the lower part of the bracket will be defaulted, he also said.

Sweet as Honey  
**YELLO-BOLE**  
CAKED WITH REAL HONEY—The first smoke as sweet as a well broken-in pipe  
The honey in the briar keeps the pipe sweet.  
High-efficiency Condenser cleans, purifies smoke. Traps moisture. No clogging. No trouble. Prove it yourself!

# Lucky for You

## — It's a Light Smoke!

FOR BIG MOMENTS  
— A Light Smoke!

Wedding bells — exciting times, with lots of smoking. Consider your throat and reach for a light smoke... reach for a lucky!

## When Thrilling Events Lead To Constant Smoking!

When you're excited... nervous... happy and thrilled, you smoke many cigarettes without thinking about it. Make your choice a light smoke. Smoke Luckies—for Luckies are a light smoke of rich, ripe-bodied tobacco. They are made of the center leaves of the finest tobaccos that money can buy. And they are the only cigarette in which you'll find the all-important throat protection of the "Toasting" process. Yes, the only cigarette. Lucky Strike... the fine-tasting cigarette... the cigarette that "lives happily ever-after" with your throat.

## ★ ★ "SWEEPSTAKES" FLASH! ★ ★

17 Winners in Alaska and Honolulu!

Eleven men and women in far off Honolulu and six way up north in Alaska know their popular music so well that they have been able to name the top ranking songs in Your Lucky Strike "Sweepstakes" 1-2-3—just like that. Congratulations... and good luck to the many other far-away "Sweepstakes" fans.

Have you entered yet? Have you won your delicious Lucky Strikes? There's music on the air. Tune in "Your Hit Parade"—Wednesday and Saturday evenings. Listen, judge and compare the tunes—then try Your Lucky Strike "Sweepstakes."

And if you're not already smoking Luckies, buy a pack today and try them. Maybe you've been missing something.

# Luckies — a light smoke

OF RICH, RIPE-BODIED TOBACCO — "IT'S TOASTED"

est 1  
victro.  
io, furn  
dies play  
as and swin  
he American Tobacco Company



## CALENDAR

Tuesday, October 20, 1936

7:00—Scabbard and Blade Smoker, Grill Room, Walker.

Wednesday, October 21, 1936

12:00—Last time to Substitute for Freshmen P. T.

4:00—Soph Football scrimmage with Harvard's second Freshmen at Harvard.

5:00—Frosh Council Meeting, Institute Committee Room, Walker.

6:00—Tech Boat Club Dinner, North Hall, Walker Memorial.

Thursday, October 22, 1936

4:00—Frosh Football scrimmage with Harvard's second Freshmen at Harvard.

6:15—Dept. of Business and Engineering, Silver Room, Walker.

### Tech Union

(Continued from Page 1)

be judged by what his "background of service" has shown him to be. "Mr. John W. Haigis," he declared, "is the type of man turned to by the entire community in time of need; he is the kind of a man we need for governor."

"Stupid gesture"—Curley

Having come in late, just before the first speaker had ended, Governor Curley next took the floor. Denouncing the Republican campaign slogan "Vote for Landon and Land in a Job" as a "stupid gesture, and the greatest laugh of the century," Governor Curley supported the vast spending of the Roosevelt administration as intended to keep "16,000,000 people" from starvation. Declaring that "institutions of this kind are largely responsible for the conditions existing at the present time," he pointed out that the only other alternative to actually scrapping machinery and labor saving devices was to make jobs by spending. Giving as his reason the fact that the people would "do some

thinking" this election, he asserted that "Roosevelt will carry more states this fall than he did in '32."

Rowe denounces Curley

"You have just heard the most powerful Democratic speaker in the state of Massachusetts," declared Mr. Rowe, as he took the floor. Launching an attack against the administration of the Massachusetts Governor, he asserted that Curley, in running for Senator, was simply "passing the buck" to Mr. Hurley, who himself had not openly approved or disapproved of the Curley administration. Mr. Rowe declared that the country in general was fast reaching that point where it would accept extravagance in the administration of public funds as a permanent evil. "We cannot deny," he said, "that with the public debt increasing at its present rate, the nation will be plunged into insolvency within 3 or 4 years."

Lewis hits capitalism

"Whatever the outcome of the election, the outcome of the future depends on how we treat the problems of the economic system," stated Alfred Lewis, Socialist candidate for

Governor. Declaring that workmen under the present economic system are "mere items of expense and production," he pointed out that, while in former days the lands in the West took care of the men thrown out of their jobs by the introduction of machinery, this was no longer the case. "Depressions will come more and more frequently," he asserted, "because that safety-valve for remedying unemployment is jammed."

Only when the workmen, and not the stockholders, have charge of the industries, will they be run most efficiently and to the most benefit for all.

Unite against war—Hood

Otis Hood, Communist candidate for Governor, aimed an attack against the Republican party and the wealthy bankers supporting it on the ground that the monied interests made their profits out of trade, which in turn was responsible for most of our international wars. "The Republican party is the main danger," he said. Citing the various planks in the Communist platform, he declared that the purpose of the Communist party is to present the people as an organized front against all forms of republicanism and fascism, which invariably lead to war.

Open forum questions

Too short a time remaining both for the other speakers and the question period, President John J. Wallace, '38, of Tech Union, closed the speeches when Mr. Hood had finished. Governor Curley had left previously. One of the questions posed to him was: "Was Hoover responsible for the depression?" His answer was, "Yes, because he lacked sufficient brains to run the job (of President)." When asked, "If you don't approve of scrapping machinery, why do you approve of destroying agricultural produce?"

### Towing Tank

(Continued from Page 1)

conduct experiments, but its use is very limited and can not be used for demonstrations that would be very valuable to students.

Models About Five Feet

The models used will probably be about five feet long for ships this long in a tank six feet deep would not be disturbed by wall effect, which is added resistance caused by shallow water. They would be constructed in the shop on the second floor of building five where models are now made for architectural work. The ideal tank

the Governor's answer was that, if the Democrats hadn't, farmers would still be getting nine cents a bushel for corn.

Mr. Rowe was asked the question: "Can you deny the fact that, viewed from the basis of his Kansas record, where he employed soldiers and tear bombs to suppress wage strikes, Landon would not be a suitable man for President of the United States?" Mr. Rowe declared that so far as he knew it was not an established fact that relief in Kansas had been so restricted.

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is one large enough to accommodate models approaching actual size, but it is believed that a 100 foot tank would suit the purposes of the Institute.

The water used will probably be fresh water and corrections will be made to accommodate the effects of salt water and the temperatures actually encountered. The tank can be used for finding the effects of heeling which is necessary in designing sailboats, and may also be equipped with a device to create waves and thus study their effects.

The equipment will include a means of drawing the model through the water. One type of these consists of a crane on a track that would draw the model after it and record accurately the forces and velocities. The other apparatus consists of a falling weight that accelerates the model till the friction with the water equals the force of gravity on the weight; from the resultant velocity the force can be computed.

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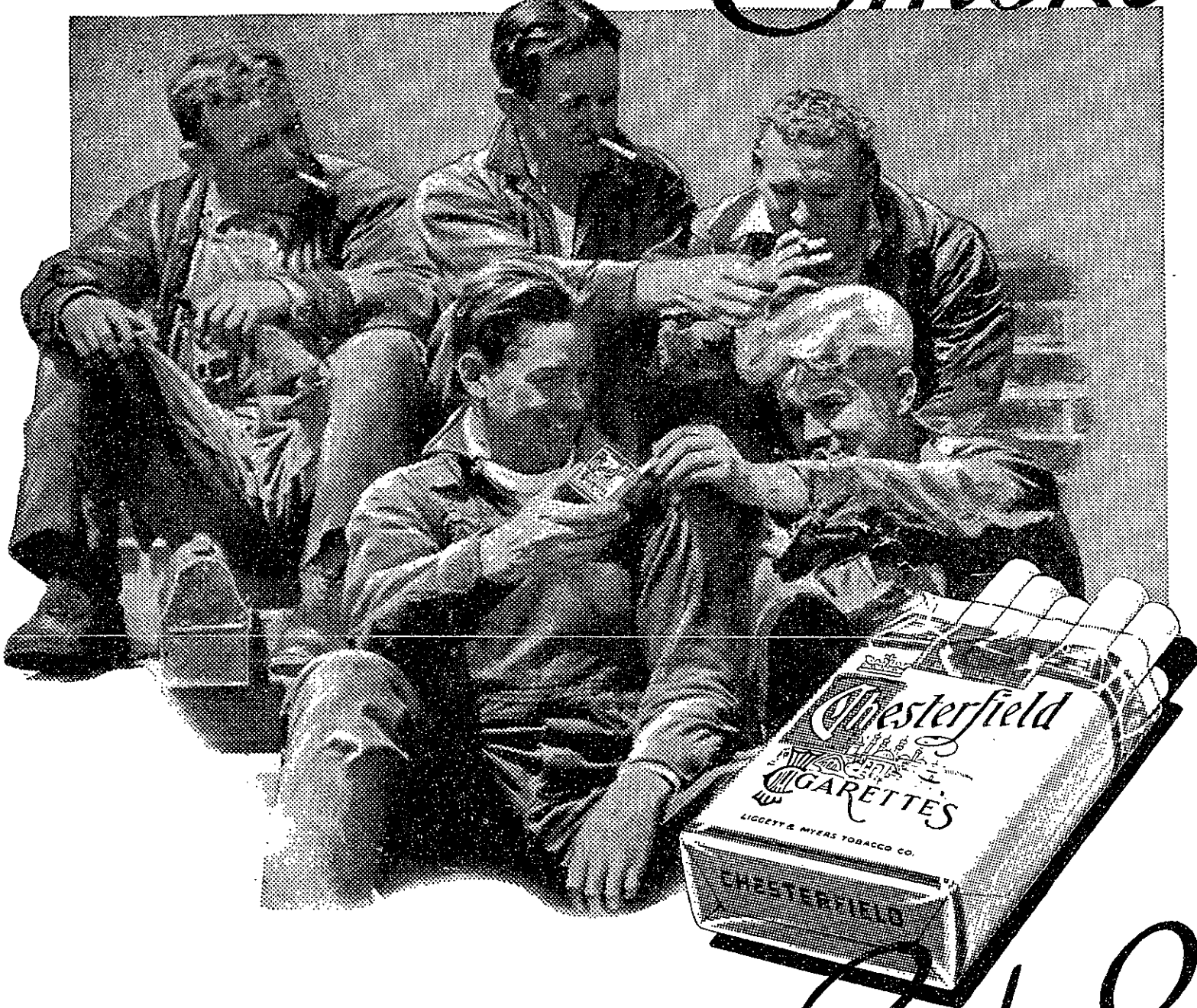
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